

Envii™ Industrial is a medium temperature, advanced thermoforming plug assist material, engineered for everyday applications. Envii™ Industrial provides consistent, high-quality performance and reliability making it perfect for general forming of plugs and tooling and cost sensitive applications.



APPLICATIONS

Envii™ Industrial can be used for the following applications:

- Food packaging
- Beverage packaging
- Pharmaceutical and medical packaging

FEATURES & BENEFITS

Envii™ Industrial is a high-quality, cost-effective thermoforming plug assist material.

- Suitable for use up to +180 °C
- Easy to machine
- Consistent, high-quality
- High performance and reliability
- Smooth surface finish achievable with polishing

TECHNICAL PROPERTIES

PROPERTY	VALUE	TEST METHOD
COLOUR	Dark Blue	-
HARDNESS, SHORE D (+/-5)	75	ISO 868
DENSITY, KG/M ³	ca. 770	ISO 1183-1
SERVICE TEMPERATURE, °C	180	ISO 11357
COEFFICIENT OF THERMAL EXPANSION (CTE) °C 10 ⁻⁶ K ⁻¹ (+/-5)	42	ISO 11359
COMPRESSIVE STRENGTH, MPA (+/-5)	64	ISO 604
COMPRESSIVE MODULUS, MPA (+/-5)	1,900	
THERMAL CONDUCTIVITY, (CALCULATED)	0.12	

SHEET SIZES

Envii™ Industrial is available in a range of sheet sizes

(length x width +/- 1mm x depth +/- 0.5mm)

762mm x 608mm x 50mm

762mm x 608mm x 75mm

762mm x 608mm x 100mm

762mm x 608mm x 125mm

762mm x 608mm x 150mm

762mm x 608mm x 200mm

STORAGE OF MATERIAL

The boards must be stored indoors, on a flat dry surface. Temperature variations must be avoided during transportation and storage.



Base Materials is an expert in high-performance syntactic materials for a wide range of industries including automotive, aerospace, foundry, manufacturing, marine, motorsport, rail and subsea.

Customers are at the heart of what we do. Our proven high-quality solutions are engineered to meet your challenging application requirements.

CONTACT US

+44 (0)116 286 5073

sales@base-materials.com

www.base-materials.com

Disclaimer

All technical data and results are based on laboratory work and do not necessarily indicate the results that the buyer or user will attain. Base Materials Limited makes no warranty expressed or implied, including warranties of merchantability or fitness for a particular use. Under no circumstances will Base Materials Limited be liable for incidental, consequential or other damages, alleged negligence, breach of warranty, strict liability or any other legal theory arising out of the use or handling of this product.